

PROCESS FOR THE PREPARATION
OF A HIGHLY LINEAR ALCOHOL COMPOSITION

5 Abstract of the Disclosure

Process for the preparation of a highly linear alcohol composition is provided comprising the steps of:

- (a) reacting carbon monoxide with hydrogen under Fischer-Tropsch reaction conditions in the presence of a
10 Fischer-Tropsch catalyst comprising cobalt;
- (b) separating from the product of step (a) at least one hydrocarbon fraction comprising between 10 and 50% by weight of olefins containing 6 or more carbon atoms;
- (c) contacting one or more of the hydrocarbon fractions
15 obtained in step (b) with carbon monoxide and hydrogen under hydroformylation conditions in the presence of a hydroformylation catalyst based on a source of cobalt and one or more alkyl phosphines;
and
- 20 (d) recovering the alcohol composition.